AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for testing devices, said system comprising:

a first device for test;

a second device for test coupled to said first device in a scan chain; ~~and~~

a signal selector coupled between said first and second devices, said signal selector for selecting between an output signal that is output from said first device and a bypass signal that has bypassed said first device; and

~~, said selecting depending on whether said signal selector detects power~~ ~~in~~ a first power rail that supplies power ~~coupled~~ to said first device and is coupled to said signal selector, wherein said signal selector selects said output signal when said first device is powered on and said bypass signal when said first device is not powered on.

2-3. (Canceled).

4. (Previously Presented) The system of Claim 1 wherein said signal selector is coupled to a standby power rail that powers said signal selector.

5. (Canceled).

6. (Original) The system of Claim 1 wherein said second device is coupled to a second power rail.

7. (Original) The system of Claim 1 wherein said signal selector is a multiplexer.

8. (Original) The system of Claim 1 wherein said first and second devices are boundary scan compliant devices.

9. (Currently Amended) A method of testing devices in a scan chain, said method comprising:

selecting a bypass signal that has bypassed a first device;

selecting an output signal instead of said bypass signal, said output signal being output from said first device, wherein said output signal is selected when power is detected in a first power rail coupled to said first device and wherein ~~otherwise~~ said bypass signal is selected when no power is detected in said first power rail; and

forwarding a selected signal to a second device in said scan chain.

10. (Previously Presented) The method of Claim 9 wherein said selecting between said bypass signal and said output signal is performed by a signal selector that is coupled to said first power rail.

11. (Canceled).

12. (Original) The method of Claim 10 wherein said signal selector is also coupled to a standby power rail.

13. (Canceled).

14. (Original) The method of Claim 9 wherein said first and second devices are boundary scan compliant devices.

15. (Currently Amended) A system for testing devices, said system comprising:

a first device for test coupled in a scan chain, said first device coupled to a first power rail;

an input line that delivers an input signal ~~coupled~~ to said first device;

an output line coupled to said first device;

~~a bypass line coupled to said input line upstream of said first device; and~~

a signal selector coupled to said output line and ~~to said bypass line and~~ also coupled to said first power rail; and

a bypass line coupled to said input line upstream of said first device and to said signal selector such that said input signal is delivered to said signal selector even if said first device is powered off, wherein said signal selector selects between a ~~an output~~ signal on said output line and a ~~an input~~ signal on ~~delivered to said signal selector via~~ said bypass line, ~~depending on whether said signal selector detects power in said first power rail,~~ wherein said ~~output~~ signal on said output line is selected when power is detected in said first power rail and ~~otherwise~~ said ~~input~~ signal on said bypass line is selected when no power is detected in said first power rail.

16-17. (Canceled).

18. (Previously Presented) The system of Claim 15 wherein said signal selector is also coupled to a standby power rail that powers said signal selector.

19. (Canceled).

20. (Original) The system of Claim 15 further comprising:

a second device for test coupled to said signal selector.

21. (Original) The system of Claim 20 wherein said first device is coupled to one power rail and wherein said second device is coupled to a different power rail.

22. (Original) The system of Claim 15 wherein said signal selector is a multiplexer.

23. (Original) The system of Claim 15 wherein said first device is boundary scan compliant.